

INCH-POUND

MIL-M-38510/762A
AMENDMENT 2
8 August 2002
SUPERSEDING
MIL-M-38510/762A
AMENDMENT 1
28 APRIL 1999

MILITARY SPECIFICATION

MICROCIRCUITS, DIGITAL, ADVANCED CMOS,
MULTIPLEXERS, MONOLITHIC SILICON, POSITIVE LOGIC

Inactive for new design after 9 August 1996

This amendment forms a part of MIL-M-38510/762A, dated 14 October 1997,
and is approved for use by all Departments and Agencies of the Department of Defense.

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*1.2.3, delete and substitute:

"1.2.3 Case outlines. The case outlines are as designated in MIL-STD-1835 and as follows:

<u>Outline letter</u>	<u>Descriptive designator</u>	<u>Terminals</u>	<u>Package style</u>
E	GDIP1-T16 or CDIP2-T16	16	Dual-in-line
F	GDFP2-F16 or CDFP3-F16	16	Flat pack
Z	GDFP1-G16	16	Flat pack with gull wing
2	CQCC1-N20	20	Square leadless chip carrier"

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Table I, high level output voltage, V_{OH3} , device type column, RHA levels M, D, L, and R; replace "02, 03, 07" with

"01, 02, 03, 07".

Table I, high level output voltage, V_{OH5} , device type column, RHA levels M, D, L, and R replace "02, 03, 07" with

"01, 02, 03, 07".

Table I, high level output voltage, V_{OH7} , device type column, RHA levels M, D, L, and R; replace "02, 03, 07" with

"01, 02, 03, 07".

Table I, low level output voltage, V_{OL3} , device type column, RHA levels M, D, L, and R; replace "02, 03, 07" with

"01, 02, 03, 07".

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Table I, low level output voltage, V_{OL5} , device type column, RHA levels M, D, L, and R; replace "02, 03, 07" with

"01, 02, 03, 07".

Table I, low level output voltage, V_{OL7} , device type column, RHA levels M, D, L, and R; replace "02, 03, 07" with

"01, 02, 03, 07".

Table I, positive input clamp voltage, V_{IC+} , device type column, RHA levels M, D, L, and R; replace "02, 03, 07" with

"01, 02, 03, 07".

Table I, negative input clamp voltage, V_{IC-} , device type column, RHA levels M, D, L, and R; replace "02, 03, 07" with "01, 02, 03, 07".

Table I, input current high, I_{IH} , device type column, RHA levels M, D, L, and R; replace "02, 03, 07" with "01, 02, 03, 07".

Table I, input current low, I_{IL} , device type column, RHA levels M, D, L, and R; replace "02, 03, 07" with "01, 02, 03, 07".

Table I, quiescent supply current output high, I_{CCH} , device type column, RHA level M; replace "02" with "01, 02".

Table I, quiescent supply current output high, I_{CCH} , device type column, RHA level D; replace "02, 07" with "01, 02, 07".

Table I, quiescent supply current output high, I_{CCH} , device type column, RHA level R; replace "03, 07" with "01, 03, 07".

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Table I, quiescent supply current output low, I_{CCL} , device type column, RHA level M; replace "02" with "01, 02".

Table I, quiescent supply current output low, I_{CCL} , device type column, RHA level D; replace "02, 07" with "01, 02, 07".

Table I, quiescent supply current output low, I_{CCL} , device type column, RHA level R; replace "03, 07" with "01, 03, 07".

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Table I, truth table test, device type column, RHA levels M, D, L, and R; replace "02, 03, 07" with "01, 02, 03, 07".

Table I, propagation delay time, select to output, t_{PHL1} , t_{PLH1} , $V_{CC} = 3.0$ V; add the following row:

"

			M, D, L, R	01		9	1.0	18.0	
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"

Table I, propagation delay time, select to output, t_{PHL1} , t_{PLH1} , $V_{CC} = 4.5$ V; add the following row:

"

			M, D, L, R	01		9	1.0	13.0	
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"

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Table I, propagation delay time, data input to output, t_{PHL2} , t_{PLH2} , $V_{CC} = 3.0$ V; add the following row:

			M, D, L, R	01		9	1.0	15.0	
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Table I, propagation delay time, data input to output, t_{PHL2} , t_{PLH2} , $V_{CC} = 4.5$ V; add the following row:

			M, D, L, R	01		9	1.0	11.0	
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Table I, propagation delay time, enable to output, t_{PHL3} , t_{PLH3} , $V_{CC} = 3.0$ V, device type column, RHA levels M, D, L, and R;
replace "02, 03" with "01, 02, 03".

Table I, propagation delay time, enable to output, t_{PHL3} , t_{PLH3} , $V_{CC} = 4.5$ V, device type column, RHA levels M, D, L, and R;
replace "02, 03" with "01, 02, 03".

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*FIGURE 1; add case outline "Z" under device type "01" next to case outlines "E, F".

*FIGURE 1; add case outline "Z" under device type "02" next to case outlines "E, F".

The margins of this amendment are marked with an asterisk to indicate where changes from the previous amendment were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous amendment.

CONCLUDING MATERIAL

Custodians:

Army - CR
Navy - EC
Air Force - 11
NASA - NA
DLA - CC

Preparing activity:

DLA - CC

Review activities:

Navy - AS, CG, MC, OS, SH
Army - AR, MI, SM
Air Force - 19, 99

(Project 5962-1929)